

## PCT REQUEST

Original (for SUBMISSION) - printed on 12.12.2003 08:23:42 AM

0	<b>For receiving Office use only</b>	
0-1	International Application No. .	
0-2	International Filing Date	
0-3	Name of receiving Office and "PCT International Application"	
0-4	<b>Form - PCT/RO/101 PCT Request</b>	
0-4-1	Prepared using <b>PCT-EASY Version 2.92 (updated 01.11.2003)</b>	
0-5	<b>Petition</b> The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
0-6	<b>Receiving Office (specified by the applicant)</b> <b>United States Patent and Trademark Office (USPTO) (RO/US)</b>	
0-7	<b>Applicant's or agent's file reference</b> <b>PU5004WO</b>	
I	<b>Title of invention</b> <b>HETEROCYCLIC COMPOUNDS AS CCR5 ANTAGONISTS</b>	
II	<b>Applicant</b>	
II-1	This person is: <b>applicant only</b>	
II-2	Applicant for	
II-4	Name <b>SMITHKLINE BEECHAM CORPORATION</b>	
II-5	Address: <b>One Franklin Plaza Philadelphia, PA 19101 United States of America</b>	
II-6	State of nationality <b>US</b>	
II-7	State of residence <b>US</b>	
II-8	Telephone No. <b>919-483-2370</b>	
II-9	Facsimile No. <b>919-483-7988</b>	
III-1	<b>Applicant and/or inventor</b>	
III-1-1	This person is: <b>applicant and inventor</b>	
III-1-2	Applicant for	
III-1-4	Name (LAST, First) <b>AQUINO, Christopher, Joseph</b>	
III-1-5	Address: <b>GlaxoSmithKline Five Moore Drive PO Box 13398 Research Triangle Park, NC 27709 United States of America</b>	
III-1-6	State of nationality <b>US</b>	
III-1-7	State of residence <b>US</b>	

## PCT REQUEST

2/5

PU5004WO

Original (for SUBMISSION) - printed on 12.12.2003 08:23:42 AM

III-2	<b>Applicant and/or inventor</b>	
III-2-1	This person is:	
III-2-2	Applicant for	
III-2-4	Name (LAST, First)	
III-2-5	Address:	
III-2-6	State of nationality	
III-2-7	State of residence	
III-3	<b>Applicant and/or inventor</b>	
III-3-1	This person is:	
III-3-2	Applicant for	
III-3-4	Name (LAST, First)	
III-3-5	Address:	
III-3-6	State of nationality	
III-3-7	State of residence	
III-4	<b>Applicant and/or inventor</b>	
III-4-1	This person is:	
III-4-2	Applicant for	
III-4-4	Name (LAST, First)	
III-4-5	Address:	
III-4-6	State of nationality	
III-4-7	State of residence	
IV-1	<b>Agent or common representative; or address for correspondence</b>	
The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:		
IV-1-1	Name (LAST, First)	
IV-1-2	Address:	
IV-1-3	Telephone No.	
IV-1-4	Facsimile No.	

## PCT REQUEST

Original (for SUBMISSION) - printed on 12.12.2003 08:23:42 AM

IV-2	Additional agent(s)	additional agent(s) with same address as first named agent <b>DEPPENBROCK, Bonnie, L</b>
IV-2-1	Name(s)	
V	Designation of States	
V-1	Regional Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned)	<p><b>AP: BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW and any other State which is a Contracting State of the Harare Protocol and of the PCT</b></p> <p><b>EA: AM AZ BY KG KZ MD RU TJ TM and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT</b></p> <p><b>EP: AT BE BG CH&amp;LI CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE SI SK TR and any other State which is a Contracting State of the European Patent Convention and of the PCT</b></p> <p><b>OA: BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG and any other State which is a member State of OAPI and a Contracting State of the PCT</b></p>
V-2	National Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned)	<p><b>AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH&amp;LI CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW</b></p>
V-5	<b>Precautionary Designation Statement</b>  In addition to the designations made under items V-1, V-2 and V-3, the applicant also makes under Rule 4.9(b) all designations which would be permitted under the PCT except any designation(s) of the State(s) indicated under item V-6 below. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit.	
V-6	<b>Exclusion(s) from precautionary designations</b>	<b>NONE</b>
VI-1	<b>Priority claim of earlier national application</b>	
VI-1-1	Filing date	<b>13 December 2002 (13.12.2002)</b>
VI-1-2	Number	<b>60/433,410</b>
VI-1-3	Country	<b>US</b>

## PCT REQUEST

Original (for SUBMISSION) - printed on 12.12.2003 08:23:42 AM

VI-2	Priority document request The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) identified above as item(s):	VI-1	
VII-1	International Searching Authority Chosen	European Patent Office (EPO) (ISA/EP)	
VIII	Declarations	Number of declarations	
VIII-1	Declaration as to the identity of the inventor	-	
VIII-2	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	-	
VIII-3	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	-	
VIII-4	Declaration of inventorship (only for the purposes of the designation of the United States of America)	-	
VIII-5	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	-	
IX	Check list	number of sheets	electronic file(s) attached
IX-1	Request (including declaration sheets)	5	-
IX-2	Description	75	-
IX-3	Claims	24	-
IX-4	Abstract	1	EZABST00.TXT
IX-5	Drawings	0	-
IX-7	TOTAL	105	
IX-8	Accompanying items	paper document(s) attached	electronic file(s) attached
IX-11	Fee calculation sheet	✓	-
IX-11	Copy of general power of attorney	reference no. SB CORP	-
IX-12	Statement explaining lack of signature	✓	-
IX-17	PCT-EASY diskette	-	Diskette
IX-18	Other (specified):	Copy of POA authorizing D. Levy signature for SB Corp	-
IX-19	Figure of the drawings which should accompany the abstract		
IX-20	Language of filing of the International application	English	
X-1	Signature of applicant, agent or common representative	<i>Bonnie T. Deppenbrock</i>	
X-1-1	Name (LAST, First)	DEPPENBROCK, Bonnie, L	

Original (for SUBMISSION) - printed on 12.12.2003 08:23:42 AM

**FOR RECEIVING OFFICE USE ONLY**

10-1	<b>Date of actual receipt of the purported international application</b>	
10-2	<b>Drawings:</b>	
10-2-1	Received	
10-2-2	Not received	
10-3	<b>Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application</b>	
10-4	<b>Date of timely receipt of the required corrections under PCT Article 11(2)</b>	
10-5	<b>International Searching Authority</b>	<b>ISA/EP</b>
10-6	<b>Transmittal of search copy delayed until search fee is paid</b>	

**FOR INTERNATIONAL BUREAU USE ONLY**

11-1	<b>Date of receipt of the record copy by the International Bureau</b>	
------	---	--

## PCT (ANNEX - FEE CALCULATION SHEET)

Original (for SUBMISSION) - printed on 12.12.2003 08:23:42 AM

PU5004WO

(This sheet is not part of and does not count as a sheet of the international application)

0	For receiving Office use only		
0-1	International Application No.		
0-2	Date stamp of the receiving Office		
0-4	Form - PCT/RO/101 (Annex) PCT Fee Calculation Sheet Prepared using	PCT-EASY Version 2.92 (updated 01.11.2003)	
0-9	Applicant's or agent's file reference	PU5004WO	
2	Applicant	SMITHKLINE BEECHAM CORPORATION, et al.	
12	Calculation of prescribed fees	fee amount/multiplier	Total amounts (USD)
12-1	Transmittal fee T	⇒	240
12-2-1	Search fee S	⇒	1,119
12-2-2	International search to be carried out by EP		
12-3	International fee		
	Basic fee (first 30 sheets) b1	476	
12-4	Remaining sheets	75	
12-5	Additional amount (X)	12	
12-6	Total additional amount b2	900	
12-7	b1 + b2 = B	1,376	
12-8	Designation fees		
	Number of designations contained in international application	99	
12-9	Number of designation fees payable (maximum 5)	5	
12-10	Amount of designation fee (X)	104	
12-11	Total designation fees D	520	
12-12	PCT-EASY fee reduction R	-148	
12-13	Total International fee (B+D-R) I	⇒	1,748
12-14	Fee for priority document		
	Number of priority documents requested	1	
12-15	Fee per document (X)	20	
12-16	Total priority document fee P	⇒	20
12-17	<b>TOTAL FEES PAYABLE (T+S+I+P)</b>	⇒	3,127
12-19	Mode of payment	authorization to charge deposit account	
12-20	Deposit account instructions		
	The receiving Office:	United States Patent and Trademark Office (USPTO) (RO/US)	
12-20-1	Authorization to charge the total fees indicated above.	✓	

## PCT (ANNEX - FEE CALCULATION SHEET)

Original (for SUBMISSION) - printed on 12.12.2003 08:23:42 AM

PU5004WO

12-20-2	Authorization to charge any deficiency or credit any overpayment in the total fees indicated above.	✓
12-20-3	Authorization to charge the fee for priority document.	✓
12-21	Deposit account No.	07-1392
12-22	Date	12 December 2003 (12.12.2003)
12-23	Name and signature	DEPPENBROCK, Bonnie, L <i>Bonnie L. Deppenbrock</i>

## VALIDATION LOG AND REMARKS

13-2-7	Validation messages Contents	Green? The international application contains no drawings. Please verify.
13-2-9	Validation messages Payment	Green? Please ensure that you have a valid deposit account with the receiving Office selected.